

Disclosures

∘ None

Treatment

- Available treatments for OUD consist of pharmacotherapy and behavioral therapies.
- The gold standard is medication assisted treatment (MAT), wherein pharmacotherapy is combined with some form of counseling or behavioral therapy.

Beneficiaries







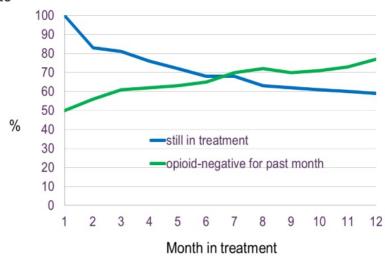
PROVIDERS



COMMUNITY

Treatment Retention and Decreased Illicit Opioid Use on MAT

 Buprenorphine promotes retention, and those who remain in treatment become more likely over time to abstain from other opioids

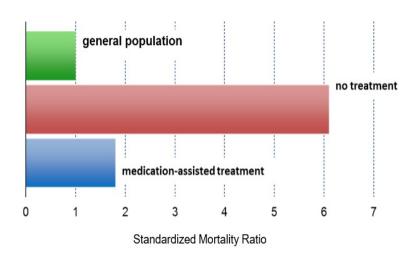


Kakko et al, 2003 Soeffing et al., 2009



Benefits of MAT: Decreased Mortality

Death rates:



Dupouy et al., 2017 Evans et al., 2015 Sordo et al., 2017



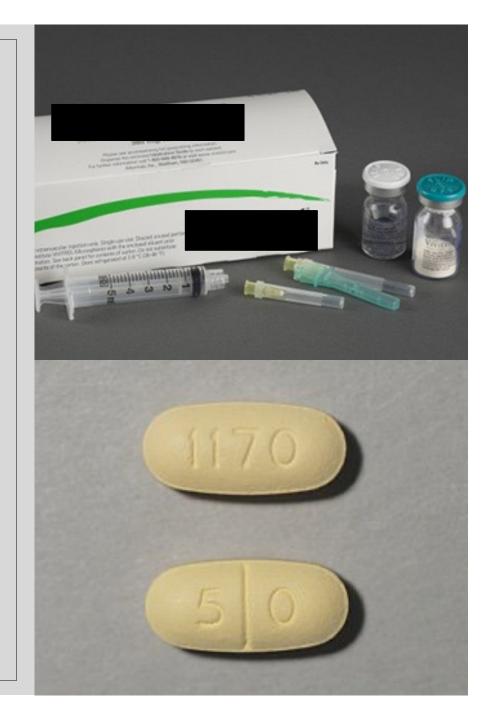
23

NALTREXONE

Formulations

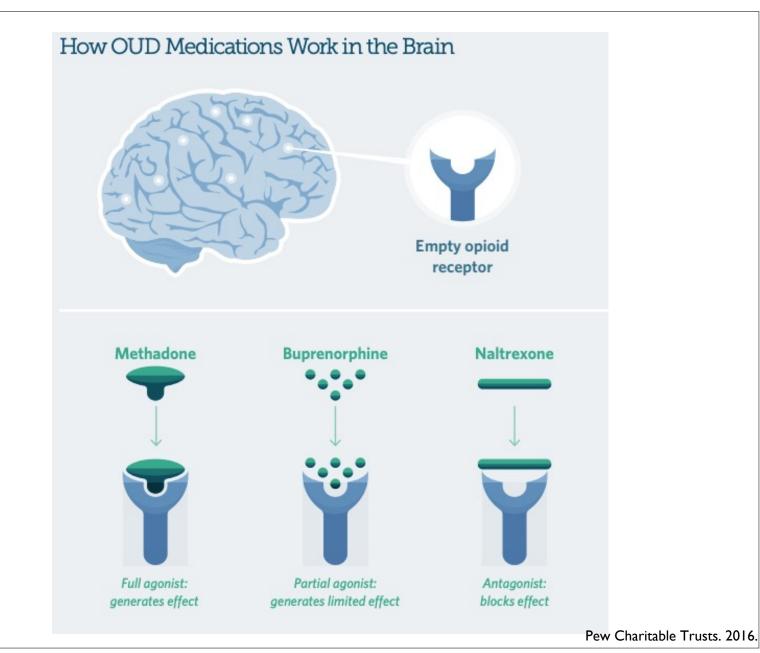
- Intramuscular Suspension
 - Give directly after reconstitution
 - Oluteal injection only!

Tablet PO



Mechanism of Action

- Competitive opioid antagonist
- Antagonist action eliminates abusepotential
- Reduced cravings for opioids



Naltrexone IM vs Buprenorphine

12 weeks

- n ~50 each arm
- No significant difference in negative UDS
- Trend toward fewer days of heroin use with naltrexone

24 weeks

- n ~285 each arm
- ITT protocol: Bup significantly superior
- PP protocol: no significant difference
- Significantly fewer patients completed induction with naltrexone

Cochrane Review

- PO naltrexone no better than placebo for relapse
- Did significantly reduce return to prison (2 studies)
- Insufficient evidence to use PO for OUD at this time



Complete abstinence from opioids

5-7 days for short-acting

7-10 days for long-acting

Confirm with urine drug test or naloxone challenge

Induction

Dosing

	Opioid Use Disorder	Alcohol Use Disorder	
Initiation	 25 mg daily Increase to 50 mg daily if no withdrawal 	■ 50 mg daily	
Maintenance	I00 mg every otherI50 mg every three	 50 mg daily weekdays and 100 mg Saturday 100 mg every other day (EtOH may require daily) 150 mg every three days 380 mg IM every 4 weeks (3 weeks for some) 	

	PO Naltrexone	IM Naltrexone
Time to Peak	I hour	2 hours
Duration	50 mg = 24 hours 100 mg = 48 hours 150 mg = 72 hours	4 weeks

KINETICS



Metabolized by liver

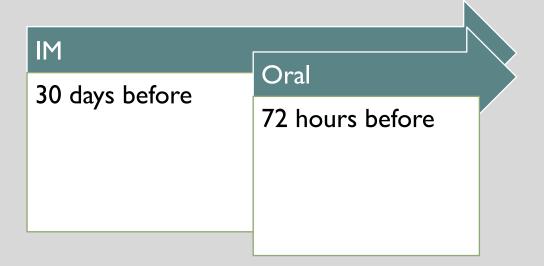


Eliminated in urine

Kinetics

Surgery

- Hold naltrexone prior to surgery that will likely require opioids
- Opioids would not work



Adverse Reactions

- Nausea, Vomiting, Diarrhea
- Headache
- Injection site reaction
- 🖖 Hepatic injury
- Joint pain
- Opioid withdrawal
- △ Overdose with Relapse

Advantages of Naltrexone

Curbs craving for alcohol

Monthly dosing

Do not need DATA waiver

No risk of diversion

Patients who prefer not to use agonist

Disadvantages of Naltrexone

Intolerable adverse effects

Poor adherence

Difficult induction

Best Patients for Naltrexone

Concomitant alcohol use

No access to agonists

Want to avoid agonists

Failed other therapies

Difficulty with adherence

High risk of dependence

Comparison

	Naltrexone	Buprenorphine	Methadone
MOA – Opioid receptors	Antagonist	Partial agonist	Agonist
Dosage forms	PO, IM	PO, Sublingual, Buccal, Implant, Injection	PO, Dissolving tablet, IV*
Precautions	Withdrawal, lowered opioid tolerance, hepatotoxicity	Overdose (low risk)	Overdose, QTc prolongation
			*Only for NPO



References

- Dr. Joyce Troxler. ECHO buprenorphine lecture.
- PCSS MAT Waiver Training 8 Hour Course slide deck
- Weimer MB. Medication for opioid use disorder. PCSS MAT Training.
- Lee JD, Nunes EV, Novo P, et al. Comparative effectiveness of extended-release naltrexone versus buprenorphine-naloxone for opioid relapse prevention (O:BOT): a multicenter, open-label randomized controlled trial. Lancet. 2018;391(10118):309-18.
- Tanum L, Solli KK, Latif Z, et al. Effectiveness of injectable extended-release naltrexone vs daily buprenorphine-naloxone for opioid dependence. JAMA Psychiatry. 2017;74(12):1197-1205.
- Lexicomp.